

# DISCIPLINE: Confidentiality and Integrity

## Discipline Roadmap for: Encryption (“Data at Rest”)

Current	2 Years	5 Years	
<div>Baseline Environment</div> <div><div>Hardware Products</div><div><ul style="list-style-type: none"><li>nCipher (TB, SB, NB)</li><li>NetApp (TB, SB,NB)</li></ul></div><div>Software Products</div><div><ul style="list-style-type: none"><li>Symantec NetBackup</li><li>IBM Tivoli Storage Manager</li><li>CommVault Galaxy</li><li>CA Brightstor</li></ul></div></div>	<div>Tactical Deployment</div> <div></div>	<div>Strategic Direction</div> <div>Ubiquitous always on transparent encryption</div> <div><div>Shared</div><div>Agency</div></div>	
<div>Retirement Targets</div> <div>None</div>	<div>Mainstream Platforms (must be supported)</div>		
<div>Containment Targets</div> <div>None</div>	<div>Emerging Platforms</div> <div>Tape based hardware encryption</div>		
<div>Implications and Dependencies</div> <div><ul style="list-style-type: none"><li>Cost associated with deployment can be substantial. Architectural concerns related to design are critical considerations.</li><li>Key management and disaster recovery must be planned appropriate to risk level.</li></ul></div>			
<div>Roadmap Notes</div> <div><ul style="list-style-type: none"><li>None</li></ul></div>			

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## **Discipline Roadmap for: Encryption (“Data at Rest”)**

### ■ **Discipline Boundaries:**

- This is the AOC’s first pass at data at rest to include both stationary server based targets as well as backup tapes etc.

### ■ **Discipline Standards:**

- None

### ■ **Migration Considerations:**

- Consider purchases of future backup products carefully to include these capabilities.

### ■ **Exception Considerations:**

- None

### ■ **Miscellaneous Notes:**

- None

### ■ **Established**

- March 26, 2008

### ■ **Date Last Updated:**

- March 26, 2008

### ■ **Next Review Date:**

- November 2009